

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the /claims

Claim 1 (currently amended). A flexible restraint layer for use with an inflatable modular structure where the inflatable modular structure has a rigid structural core comprised of a fore and aft assembly and at least one longeron attached to the fore and aft assemblies and separating the fore and aft assemblies, at least one bladder capable of being inflated and the at least one bladder being fixedly attached to the fore and aft assemblies, the flexible restraint layer comprising:

- a first and second circumferential strap assemblies;
- a radial strap assembly having opposing distal ends;
- the first and second circumferential strap assemblies disposed on, and attachedly fastened to, the opposing distal ends of the radial strap assembly;
- a plurality of axial straps having opposing ends forming loops;
- the first and second circumferential strap assemblies and the radial strap assembly having guides to receive the axial straps and the axial straps being disposed within the guides;
- the flexible restraint layer being disposed substantially between the fore and aft assembly assemblies of the inflatable modular structure and covering the at least one bladder; and
- the fore and aft assemblies being adapted to receive the loops of the axial straps such that the flexible restraint layer is fixedly attached to the inflatable modular structure and restrains the bladder when the at least one bladder is inflated.

Claim 2 (original). The flexible restraint layer of claim 1 wherein the first circumferential strap assembly is attachedly fastened to the radial strap assembly by way of a first zipper assembly and the second circumferential strap assembly is attachedly fastened to the radial strap assembly by way of a second zipper assembly.

Claim 3 (currently amended). A flexible restraint layer as in claim 1 wherein the first and second circumferential strap assemblies further comprising:

a plurality of elongated circumferential straps, wherein each elongated circumferential strap terminates in opposing ends, has opposing edges, has a length, and each strap in an assembly has a different length from any other strap in that assembly;

the elongated circumferential straps are disposed adjacent to one another and abutting one another in an edge to edge manner in a substantially circular patterns pattern such that the elongated circumferential straps form substantially a half sphere and the opposing ends of the circumferential straps are stitched together thus forming a radial strap assembly that is substantially in the form of a half sphere;

a stitching pattern applied to said elongated circumferential straps ~~at said~~ ~~abutments~~ to connect said elongated circumferential straps; and

a fastener applied to the strap of the greatest length at the end of the half sphere formed by the straps.

Claim 4 (currently amended). A flexible restraint layer as in claim 1 wherein the radial strap assembly further comprises:

a plurality of elongated radial straps wherein each elongated radial strap terminates in opposing ends, has opposing edges, and has a length;

the elongated radial straps are disposed adjacent to one another such that the elongated radial straps ~~lay lie~~ edge to edge;

a stitching pattern applied to said elongated radial straps ~~at said abutments~~ to connect said elongated radial straps;
a fastener applied to the straps at the opposing distal ends; and the straps at the opposing longitudinal ends are stitched together thus forming a radial strap assembly that is substantially cylindrical in form.

Claim 5 (original). A flexible restraint layer as in claim 1 further comprising at least one window opening extending through the restraint layer.